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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/506,079E

DATE: 08/07/2002
 TIME: 10:05:05

P#17

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3 <110> APPLICANT: Doherty, Joni
 4 Clinton, Gail M.
 6 <120> TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
 8 <130> FILE REFERENCE: 49321-16
 10 <140> CURRENT APPLICATION NUMBER: US 09/506,079E
 11 <141> CURRENT FILING DATE: 2000-02-16
 13 <150> PRIOR APPLICATION NUMBER: US 09/234,208
 14 <151> PRIOR FILING DATE: 1999-01-20
 16 <160> NUMBER OF SEQ ID NOS: 10
 18 <170> SOFTWARE: PatentIn version 3.1
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 21 <211> LENGTH: 79
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
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 34 <222> LOCATION: (5)..(5)
 35 <223> OTHER INFORMATION: Applicants herein disclose Leu and Pro sequence variants at
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P.9

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62 <222> LOCATION: (21)..(21)
63 <223> OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence
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 69 <222> LOCATION: (36)..(36)
 70 <223> OTHER INFORMATION: Applicants herein disclose Leu and Ile sequence variants at
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 77 <223> OTHER INFORMATION: Applicants herein disclose Pro and Arg sequence variants at
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 90 <222> LOCATION: (73)..(73)
 91 <223> OTHER INFORMATION: Applicants herein disclose Asp and Asn sequence variants at
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 1 5 10 15
 W--> 101 Arg Xaa Gln Pro Xaa Pro Ala His Pro Val Leu Ser Phe Leu Arg Pro
 102 20 25 30
 W--> 105 Ser Trp Asp Xaa Val Ser Ala Phe Tyr Ser Leu Pro Leu Ala Pro Leu
 106 35 40 45
 W--> 109 Ser Pro Thr Ser Val Xaa Ile Ser Pro Val Ser Val Gly Arg Gly Xaa
 110 50 55 60
 W--> 113 Asp Pro Asp Ala His Val Ala Val Xaa Leu Ser Arg Tyr Glu Gly
 114 65 70 75
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 120 <213> ORGANISM: Homo sapiens
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 155 <223> OTHER INFORMATION: Applicants herein disclose Gly, Asp, Ala and Val sequence variant
 156 <220> FEATURE:
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 190 <222> LOCATION: (394)..(394) /
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 194 1 5 10 15
 195 Pro Pro Gly Ala Ala Ser Thr Gln Val Cys Thr Gly Thr Asp Cys Lys
 196 20 25 30
 197 Leu Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp Met Leu Arg His
 198 35 40 45
 199 Leu Tyr Gln Gly Cys Gln Val Val Gln Gly Asn Leu Glu Leu Thr Tyr
 200 206

207 50 55 60
210 Leu Pro Thr Asn Ala Ser Leu Ser Phe Leu Gln Asp Ile Gln Glu Val
211 65 70 75 80
214 Gln Gly Tyr Val Leu Cys Ala His Asn Gln Val Arg Gln Val Pro Leu

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215	85	90	95
218	Gln Arg Leu Arg Ile Val Arg Gly Thr Gln Leu Phe Glu Asp Asn Tyr		
219	100	105	110
222	Ala Leu Ala Val Leu Asp Asn Gly Asp Pro Leu Asn Asn Thr Thr Pro		
223	115	120	125
226	Val Thr Gly Ala Ser Pro Gly Gly Leu Arg Glu Leu Gln Leu Arg Ser		
227	130	135	140
230	Leu Thr Glu Cys Leu Lys Gly Gly Val Leu Ile Gln Arg Asn Pro Gln		
231	145	150	155
234	Leu Cys Tyr Gln Asp Thr Ile Leu Trp Lys Asp Ile Phe His Lys Asn		
235	165	170	175
238	Asn Gln Leu Ala Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys		
239	180	185	190
242	His Pro Cys Ser Pro Cys Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser		
243	195	200	205
246	Ser Glu Asp Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys		
247	210	215	220
250	Ala Arg Cys Lys Gly Pro Leu Pro Thr Asp Cys Cys His Glu Gln Cys		
251	225	230	235
254	Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys Leu		
255	245	250	255
258	His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro Ala Leu Val		
259	260	265	270
262	Thr Tyr Asn Thr Asp Thr Phe Glu Ser Cys Pro Asn Pro Glu Gly Arg		
263	275	280	285
266	Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro Tyr Asn Lys Leu		
267	290	295	300
270	Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys Pro Leu His Asn Gln		
271	305	310	315
274	320	325	330
275	335		
W--> 278	Pro Cys Ala Arg Gly Xaa His Ser Xaa Xaa Pro Arg Pro Ala Ala Val		
279	340	345	350
W--> 282	Pro Val Pro Xaa Arg Xaa Gln Pro Xaa Pro Ala His Pro Val Leu Ser		
283	355	360	365
W--> 286	Phe Leu Arg Pro Ser Trp Asp Xaa Val Ser Ala Phe Tyr Ser Leu Pro		
287	370	375	380
W--> 290	Leu Ala Pro Leu Asp Pro Thr Ser Val Xaa Ile Ser Pro Val Ser Val		
291	385	390	395
W--> 294	Gly Arg Gly Xaa Asp Pro Asp Ala His Val Ala Val Xaa Leu Ser Arg		
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298	Tyr Glu Gly		
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305	<213> ORGANISM: Artificial Sequence		
307	<220> FEATURE:		
308	<223> OTHER INFORMATION: HER-2-specific oligonucleotide primer		
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 Output Set: N:\CRF3\08072002\I506079E.raw

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311 tgagcaccat ggagctggc          19
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316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: HER-2-specific oligonucleotide primer
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326 <210> SEQ ID NO: 5
327 <211> LENGTH: 22
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: HER-2 cDNA-specific oligonucleotide primer
334 <400> SEQUENCE: 5
335 aacacagcgg tgtgagaagt gc      22
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341 <213> ORGANISM: Artificial Sequence
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346 <400> SEQUENCE: 6
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352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial Sequence
355 <220> FEATURE:
356 <223> OTHER INFORMATION: HER-2 ECDIIIa-region-specific oligonucleotide primer
358 <400> SEQUENCE: 7
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362 <210> SEQ ID NO: 8
363 <211> LENGTH: 22
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365 <213> ORGANISM: Artificial Sequence
367 <220> FEATURE:
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374 <210> SEQ ID NO: 9
375 <211> LENGTH: 27
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial Sequence
379 <220> FEATURE:
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382 <400> SEQUENCE: 9
383 gcacggatcc atagcagact gaggagg 27

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/07/2002
PATENT APPLICATION: US/09/506,079E TIME: 10:05:06

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,5,6,16,18,21,36,54,64,73
Seq#:2; Xaa Pos. 342,345,346,356,358,361,376,394,404,413
Seq#:10; N Pos. 62
Seq#:10; Xaa Pos. 2,5,6,16,18,21,36,54,64,73